

CLAIMS

What is claimed is:

1. A button for engaging an electrical switch comprising:
a button post that transmits a vertical motion of the button to the electrical switch;
an alignment post that registers against the electrical switch and reduces lateral motion of the button; and
at least two runners that connect the button to a frame and include reinforcement that stiffens the vertical motion of the button.
2. The button of claim 1, wherein the button is included in a button set that comprises a plurality of buttons.
3. The button of claim 1, wherein the reinforcement comprises:
a rectangular panel having two supporting ribs located on the diagonals of the panel.
4. The button of claim 1, wherein the alignment post, the two runners, and the reinforcement are formed from plastic.
5. The button of claim 1, wherein the reinforcement is molded along with the two runners.
6. The button of claim 1, wherein the button is located on an electronic device.
7. The button of claim 6, wherein the electronic device is selected from the group consisting of:
a scanner, a camera, a printer, a copier, a facsimile machine, and a computer.

8. A button set that comprises a plurality of buttons, each button of the plurality of buttons engages an associated electrical switch of a plurality of electrical switches, the button set comprises:

a plurality of button posts, each of which is associated with a respective button and transmits a vertical motion of the respective button to the associated electrical switch;

a plurality of alignment posts, each of which is associated with a respective button and registers against the associated electrical switch and reduces lateral motion of the respective button; and

a plurality of runners, with a pair of runners of the plurality of runners associated with a respective button and connects the respective button to a frame, wherein each pair includes reinforcement that stiffens the vertical motion of the respective button.

9. The button set of claim 8, wherein each reinforcement comprises:
a rectangular panel having two ridges located on the diagonals of the panel.

10. The button set of claim 8, wherein the plurality of alignment posts, the plurality of runners, and each reinforcement are formed from plastic.

11. The button set of claim 8, wherein the reinforcement is molded along with the runners.

12. The button set of claim 8, wherein the button set is located on an electronic device.

13. The button set of claim 12, wherein the electronic device is selected from the group consisting of:

a scanner, a camera, a printer, a copier, a facsimile machine, and a computer.

14. A button for engaging an electrical switch comprising:
means for transmitting a vertical motion of the button to the electrical switch;
means for reducing lateral motion of the button; and
means for stiffening the vertical motion of the button.

15. A button for engaging an electrical switch comprising:
means for reducing wobble of the button; and
means for reducing dead spots of the button.